

Oregon Star Party Observing Award 2018 Level 4 - Astrophotography List

Astrophotography is a specialized type of photography that entails recording images of astronomical objects and large areas of the night sky. The easiest way to capture the night sky is to use an ordinary DSLR camera with interchangeable lenses. Such equipment affords a wide field of view, making easy work of imaging constellations, meteors, the Milky Way, and much more.

This year we've added a few dimmer items to provide a challenges for a wider range of observers and equipment. You'll be surprised what you can get with a phone, point-and-shoot, or SLR. Others may want to test their skills and equipment on more challenging objects. The objects marked **challenge** add 1 additional item count to encourage you to try them.

As with the other Observing Lists, astrophotographers will appreciate the opportunity to show off their creations. The Level 4 Astrophotography Observing Award is a wonderful introduction to wide-field astrophotography. To receive the award pin you must photograph at least 8 of the 18 listed wide field regions or objects while you are at OSP.

When finished bring your record of observations to the Observing Program table next to the Information Tent to receive your pin. *The Observing Program table will be staffed by volunteers 2-4 PM Thursday, 1-3 Friday & Saturday, 10-12 Sunday.*

Finally, with your permission, OSP would like to display the images on the website for everyone to see!

#	Type	Object	Con	RA	Dec	Mag	PSA	Alternate Name/Comments
1	P	Mars	Cap	20h 15' 48"	-26° 28' 29"	-2.6	66	challenge - include one or both moons
2	P	Saturn	Sgr	18h 12' 14"	-22° 38' 25"	0.3	67	
3	P	Jupiter	Lib	14h 49' 29"	-15° 18' 55"	-2	46	
4	P	Neptune and Triton	Aqr	23h 8' 22"	-6° 36' 26"	7.9/13.5	76	Neptune, challenge - include Triton
5	GX	Whirlpool/M51	CVn	13h 29' 52"	47° 12' 44"	8	43	Whirlpool Galaxy
6	GX	Andromeda/M31	And	0h 43' 1"	41° 15' 41"	4.5	3	Andromeda Galaxy
7	GX	M81 & M82	UMa	9h 55' 34"	69° 4' 18"	8.5	31	Bode's/Cigar Galaxies
8	GC	M13	Her	16h 41' 41"	36° 27' 46"	7	52	Hercules Cluster
9	EN	M8 & M20	Sgr	18h 3' 48" 18h 2' 29"	-24° 8' 20" -22° 57' 20"	5 5	69	Lagoon and Triffid Nebulas
10	OC	Double Cluster	Per	2h 18' 32" 2h 22' 40"	57° 6' 40" 57° 7' 50"	5.3 6.1	2	NGC 869 NGC 884
11	OC	Wild Duck Cluster/M11	Scu	18h 51' 2"	-6° 15' 55"	7	67	Wild Duck Cluster
12	SN	NGC 6992	Cyg	20h 56' 7"	31° 27' 49"	7	73	Bridal Veil
13	PN	NGC 7293	Aqr	22h 29' 39"	-20° 49' 24"	6.5	76	Helix nebula - large (moon size)
14	OC	Pleadies and Hyades	Tau					
15	C	Cygnus						Try deep exposure - see what shows up
16		Polaris time exposure	UMi					Star Trails
17		Perseid Meteor(s)						
18		Moon						

P: planet GX: galaxy GC: globular cluster OC: open cluster PN: planetary nebula EN: emission nebula SN: supernova remnant
DN: dark nebula A: Asteroid SC: star cloud DS/TS/QS: double/triple/quad star CS: carbon star C: constellation Ast: asterism